

Date: Fri, 21 May 93 18:39:11 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #618
To: Info-Hams

Info-Hams Digest Fri, 21 May 93 Volume 93 : Issue 618

Today's Topics:

 2 Meters and Airlines
 Alinco DJ580 Gets HOT!!!
 catalina ISland/SO cal freq
 DJ-580t & FT-530 opinions
 Don't get ripped off by a G5RV: OPINION TO THE CONTRARY.
 G5RV Peformance (was Don't get ripped off by a G5RV) (2 msgs)
 Info request on FT411E
 Intermod/spurious sigs a common HT problem?
 Maxcom fraud (was Re: Don't get ripped off by a G5RV)
 RFI from ZyXEL modem, please advise

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 20 May 1993 23:48:19 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!news.ucdavis.edu!othello.ucdavis.edu!
ez006683@network.UCSD.EDU
Subject: 2 Meters and Airlines
To: info-hams@ucsd.edu

julian@bongo.tele.com (Julian Macassey) writes:

[Gary's original question deleted, bad sign]

:

: I have been waiting for the annual spate of "Can I use my
: walkie-talkie on a plane" postings. Why do I enjoy this? Well like the
: the "I think I heard a cuckoo" letters to The Times (The real one), it
: signals the start of spring and summer is just round the corner.

:
: I have used a walkie-talkie from a plane many times. The plane
: has never crashed. I used to drink with an SM commercial pilot who
: used his walkie from the flight deck all the time.
Hope it wasn't within 24 hrs. of a flight where he was Pilot. :-)

: The doom mongers will tell you that using a radio from a plane
: will cause it to come down in flames. Then of course they will tell
: you that planes cost so much because they have to make everything RFI
: proof.

I don't think anyone has suggested that it will cause the aircraft
to crash. The original posts were in reference to regulations regarding
the use of a 2m amateur HT on board an aircraft. Okay you made me do it
so here goes: Federal Aviation Regulations 14 CFR Ch. 1 part 91.21:

"Portable Electronic Devices.

(a) Except as provided in paragraph (b) of this section, no person
may operate, nor may any operator or pilot in command of an aircraft
allow the operation of, any portable electronic device" (it then goes on to
specify which flights are effected, basically anything that is not private
pilot VFR)

"(b) Paragraph (a) of this section does not apply to --

- (1) Portable voice recorders;
- (2) Hearing aids;
- (3) Heart pacemakers;
- (4) Electric shavers;

(5) Any other portable electronic device that the operator of the
aircraft of the aircraft has determined will not cause interference with
the navigation or communication system of the aircraft on which it is to be
used"

You are prohibited, by regulation, from using your 2m radio on any
airliner without the operators approval. Most (all perhaps) airlines have
policies against the use of any transmitters on their aircraft. As I said
before many are also considering revoking the priv. of using your laptop
on board. 'Course air mobile in a small airplane is much more fun anyway.

: Now, many cars are somewhat sensitive to RF, this includes
: expensive German cars assembled by disinterested Turks. We do get
: questions about "Can I use my walkie-talkie while driving to work?"
: The answer to that one is "Maybe" or "Your mileage may vary".
Car engine dies, pullover. Aircraft engine dies, look for a soft place to
crash and call you lawyers. Welcome to America!! (Apologies to other
non-US Americans)

Thems the facts

Dan

--

* Daniel D. Todd Packet: KC6UUD@WA6RDH.#nocal.ca.usa *

* Internet: DDTODD@ucdavis.edu *
* Snail Mail: 1750 Hanover #102 *
* Davis CA 95616 *

* I do not speak for the University of California.... *
* and it sure as hell doesn't speak for me!! *

Date: 21 May 1993 00:29:54 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!magnus.acs.ohio-
state.edu!csn!news.sinet.slb.com!news.San-Jose.ate.slb.com!jones@network.UCSD.EDU
Subject: Alinco DJ580 Gets HOT!!!
To: info-hams@ucsd.edu

Everybody seems to think that getting too hot to hold is "normal" for an HT.
I've never had my DJ-F1T get uncomfortably hot, even when running on 13.8V
with the vinyl cover in place on long transmissions. It does, however, get
noticably warm, but not uncomfortably hot.

BTW, I have noticed an obscure reference in the DJ-F1T manual that it has
a "feature" that cuts back on the output power if the temperature rises
excessively. (No indication of what method they used to implement it.)

73,
Clark

--
Disclaimer: The opinions expressed above are mine and not those of Schlumberger
because they are NOT covered by the patent agreement!

Phone: (602) 345-3638 Internet: jones@sj.ate.slb.com
Packet: N7RPQ@K7BUC.AZ.USA.NA RF: N7RPQ
Snail: Clark Jones, Schlumberger Technologies, 7855 S. River Pkwy #116, Tempe,
AZ 85284-1825

Date: 21 May 1993 00:36:10 GMT
From: agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!csn!news.sinet.slb.com!
news.San-Jose.ate.slb.com!jones@ames.arpa
Subject: catalina ISland/SO cal freq
To: info-hams@ucsd.edu

Gary Sanders (gws@n8emr.cmhnet.org) wrote:
: Last time I was in SO cal I found some
: very rude people on a couple freqs.

If you only ran into rude people there on the radio, you should count your self as very lucky! ;-) I'd much rather encounter them via radio than, say, on the freeway...

--

Disclaimer: The opinions expressed above are mine and not those of Schlumberger because they are NOT covered by the patent agreement!

Phone: (602) 345-3638 Internet: jones@sj.ate.slb.com
Packet: N7RPQ@K7BUC.AZ.USA.NA RF: N7RPQ
Snail: Clark Jones, Schlumberger Technologies, 7855 S. River Pkwy #116, Tempe,
AZ 85284-1825

Date: Thu, 20 May 1993 23:58:39 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!news.ucdavis.edu!othello.ucdavis.edu!
ez006683@network.UCSD.EDU
Subject: DJ-580t & FT-530 opinions
To: info-hams@ucsd.edu

JMESSING@novell.com (Jeff Messinger) writes:
: Sorry to take up bandwidth with this request.
: But I am thinking about buying one of these
: two radios. Either the DJ-580t or the
: FT-530. They both seem pretty close in
: features. If there is anyone out there that has
: any thoughts on the advantages of one over the
: other, I would like to hear them.

Used 'em both played with 'em both. I like the button functions on the '530 better but that night be because I've always had a '470 and am used to that type of setup. Other than that they're about the same.

Dan

--

```
*-----*
* Daniel D. Todd      Packet: KC6UUD@WA6RDH.#nocal.ca.usa      *
*                    Internet: DDTODD@ucdavis.edu              *
*                    Snail Mail: 1750 Hanover #102             *
*                    Davis CA 95616                           *
*-----*
*      I do not speak for the University of California....    *
*      and it sure as hell doesn't speak for me!!            *
*-----*
```

Date: Fri, 21 May 1993 01:14:35 GMT
From: elroy.jpl.nasa.gov!swrinde!sdd.hp.com!hpscit.sc.hp.com!news.dtc.hp.com!
srngenprp!alanb@ames.arpa
Subject: Don't get ripped off by a G5RV: OPINION TO THE CONTRARY.
To: info-hams@ucsd.edu

richard.e.stealey (5rttrtrt@cbnewsf.cb.att.com) wrote:
: I think the ham world has been fooled into thinking there is something
: special about the G5RV. There isn't. Todays rigs will not be happy
: with a 2.8:1 SWR so you need a tuner anyway with the G5RV. If you
: are going to run with a tuner why not just use a balanced line
: (cheapest feedline you can buy today) and the longest wire you can
: put up and I guarantee your signal will be as good (or bad) as
: the fellow with the G5RV. And you can run it on ANY band to boot.

The advantage of the G5RV is that it gets the SWR into the general
ballpark of 50 ohms resistive so you can use 50 ohm coax. Coax is
much easier to use than twinlead or open-wire feedline. Also most
modern tuners are made to work with an unbalanced feedline.

AL N1AL

Date: Fri, 21 May 1993 01:45:47 GMT
From: elroy.jpl.nasa.gov!sdd.hp.com!col.hp.com!news.dtc.hp.com!srngenprp!
alanb@ames.arpa
Subject: G5RV Peformance (was Don't get ripped off by a G5RV)
To: info-hams@ucsd.edu

nuts2u::little (little@nuts2u.enet.dec.com) wrote:

: Also as Gary and several others have noted, if your coax has relatively low
: loss, i.e. RG-8 in good condition, then a high SWR matched with a conjugate
: match at the transmitter isn't a big deal.

It's been many years since I used a (homebrew) G5RV, but as I recall,
the SWR was less than about 3:1 on 80/40/20/15/10 meters.

AL N1AL

Date: Fri, 21 May 1993 01:43:22 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
ux1.cso.uiuc.edu!sdd.hp.com!col.hp.com!news.dtc.hp.com!srngenprp!

alanb@network.UCSD.EDU

Subject: G5RV Performance (was Don't get ripped off by a G5RV)

To: info-hams@ucsd.edu

nuts2u::little (little@nuts2u.enet.dec.com) wrote:

: gary@ke4zv.uucp (Gary Coffman) writes:

: >Every G5RV style antenna I've seen uses either 300 ohm or 450 ohm twin lead.
: >I don't even recall seeing any 75 ohm open wire line. You might recalculate
: >with that value.

: I need to go track down Varney's original and revised writings. I'm finding
: a bunch of conflicting literature about this antenna and it's not clear if
: the conflicts were introduced by G5RV or by those describing his designs.
: The ARRL Antenna book says 75 ohm twin lead,

I don't have the Antenna book in front of me, but wasn't the 75 ohm twin
lead to be used AFTER the 450 ohm feedline (where the coax usually goes)?

AL N1AL

Date: Fri, 21 May 93 16:49:33 MDT

From: dds1!news.kei.com!news.byu.edu!news@uunet.uu.net

Subject: Info request on FT411E

To: info-hams@ucsd.edu

I know there have been a lot of these kinds of posts lately but I am looking
for information on the Yaesu FT411E. If anyone has one of these or has an
opinion on them, please e-mail me or post here, whichever you prefer.

Thanks,

Date: Fri, 21 May 1993 00:11:52 GMT

From: elroy.jpl.nasa.gov!sdd.hp.com!caen!destroyer!cs.ubc.ca!newsserver.sfu.ca!
sfu.ca!tpang@ames.arpa

Subject: Intermod/spurious sigs a common HT problem?

To: info-hams@ucsd.edu

I have had Kenwood TH-21AT, poor sensitivity, and receiver, but what
do you expect for the smallest HT at the time? Yes, Intermod.

(I was living in Hong Kong)

Then I had the Yaesu FT-23, great, much better sensitivity, some intermod,
don't really care. (I was living in San Diego)

Then I have the Kenwood TH-215, BIG! Now why the heck I changed from 2 small

HTs to a big one? Great loudness, excellent sensitivity, not much intermod.

Now, I am thinking about buying the most feature packed, ultimate dual-band HT, with lots of receive range. But as living in Vancouver, which model is tolerable? I am thinking about the 3 newest ones from the 3 biggest brands. I want small too, as they are easier to get around. If intemod is such terrible, I'll get a mobile to connect the mobile antenna, or home, when I save up more money \$\$:)>.

And of course, if I were a lottery winner, then I'll buy different sizes to fit different events, and one in my car, one at home,.....(dreaming :)

Regards,
David

| In real life: David Tse E-mail: tpang@sfu.ca (Internet) |
| Snail Mail: P.O. Box 26052, Richmond, B.C., V6Y 1Z3, Canada |
Home: Amiga A3000/25/100/6 + AMaxII + ZyXEL U-1496E + HP DeskJet PLUS

Date: Fri, 21 May 1993 01:40:38 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!usc!sdd.hp.com!
col.hp.com!news.dtc.hp.com!srngenprp!alanb@network.UCSD.EDU
Subject: Maxcom fraud (was Re: Don't get ripped off by a G5RV)
To: info-hams@ucsd.edu

Dave Newkirk (dnewkirk@arrl.org) wrote:

: Your idea about autotuners is well-taken, esp for hammy applications. But
: do consider HF frequency-hopping spread spectrum--one would need a *high-
: speed* tuner for that. Resistors, luckily, have sufficiently rapid response
: time, and an unlimited number of memories. So I suspect that resistive
: antenna broadbanding is of particular value this special application.

But why not just use a high-efficiency antenna and a high-power attenuator?
That way, you can exactly control the highest SWR the transmitter will
ever see. (e.g. a 6 dB attenuator gives a minimum 12 dB return loss for
a maximum SWR of 1.67, even with no antenna connected.)

AL N1AL

Date: Fri, 21 May 1993 01:02:30 GMT
From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!uwm.edu!caen!destroyer!cs.ubc.ca!

newsserver.sfu.ca!sfu.ca!tpang@ames.arpa
Subject: RFI from ZyXEL modem, please advise
To: info-hams@ucsd.edu

This is the very first REAL reply/advise I got. I thank you very very much.
I'll go and find such conductive spray, just is it like spray paint?
where can I buy it? Radio Shack? Electronics Parts store?
This might be better than laying Al foils.

(yea, my modem has 2 TI 320C25 DSP chips running at 40MHz, and a 68000
at 13.3 MHz, which I'll mod it to run at 20MHz, lots of signals, and
how it passed FCC Part 68 and 15 (printed on back) , doesn't say Class B)
Is it Class B equivalent? Otherwise it is great modem). Oh, my monitor
is doing it too, probably too much to do that one, but it's not as bad either.
)

Thanks again for good advise.

Regards,
David

| In real life: David Tse E-mail: tpang@sfu.ca (Internet) |
| Snail Mail: P.O. Box 26052, Richmond, B.C., V6Y 1Z3, Canada |
Home: Amiga A3000/25/100/6 + AMaxII + ZyXEL U-1496E + HP DeskJet PLUS

Date: 21 May 93 14:22:03 GMT
From: ogicse!emory!gatech!kd4nc!ke4zv!gary@network.UCSD.EDU
To: info-hams@ucsd.edu

References <930518.224343.5e4.rusnews.w165w@garlic.sbs.com>,
<1993May20.085737.24037@ke4zv.uucp>, <1993May20.195145.24174@kd4nc.uucp>
Reply-To : gary@ke4zv.UUCP (Gary Coffman)
Subject : Re: Radio Shack 70cm HT?

In article <1993May20.195145.24174@kd4nc.uucp> n4tii@kd4nc.uucp (John Reed)
writes:

>
>What Sears 2m Rig? I don't remember one? I've been around since before
>the no-code controversy!

It was really a Yaesu Memorizer house branded for Sears. I've seen a few
at hamfests going for \$10-\$20 with the "Kenmore", not to be confused with
Kenwood, label on them.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: 21 May 93 04:39:01 GMT
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net
To: info-hams@ucsd.edu

References <1te75b\$qs3@europa.eng.gtefsd.com>,
<VBREault.93May19174647@rinhp750.gmr.com>,
<1993May20.105743.8112@anomaly.sbs.com>&
Subject : Re: Radio Shack 70cm HT?

kd1hz@anomaly.sbs.com (Rev. Michael P. Deignan) writes:

> vbreault@rinhp750.gmr.com (Val Breault) writes:
>
>>Their training manual makes a strong implication that a salesperson
>>could be somehow breaking the law by selling amateur equipment to
>>non licensed people. The correct answer on the test form is to
>>refuse to sell it.
>
> Uh, would you kindly provide the appropriate statute which specifically
> states that vendors may not sell amateur gear to non-licensed amateurs.
>
> To the best of my knowledge it is perfectly legal to sell whatever you
> want to whomever you want, regardless of licensed status. In fact, even
> the "big boys" like HRO routinely sell merchandise to me, even though
> I've refused to provide a callsign (I get enough junk mail thank you)
> when I've ordered.
>
> Therefore, the correct answer on the test form is to sell it.

Well Mike, we know how consistent Radio Shack's policies are. Remember the check incident? Why is it, we go to a store in Providence, RI (University Heights to be specific) and even though they've been taking Mike's company checks for at least 6 months (and about \$1500) they won't take it now because the address on the BUSINESS check doesn't match the address on Mike's license.

But go to the Radio Shack in South Attelboro (Emerald Square Mall) and Mike forgets his wallet in the truck but I have mine. I'm not even one of the authorized signers on the check. I don't have a credit card on

me, but they took the check with my ID and signature. Hmmm...
Inconsistencies are great.

Tony

```
-----
Tony Pelliccio kd1nr/ae      "Usenet is like a herd of performing elephants
*!?!*!?!*!?!*!?!*!?!*!?!* with diarrhea -- massive, difficult to
system@garlic.sbs.com       redirect, awe-inspiring, entertaining, and a
----- source of mind-boggling amounts of excrement
                                when you least expect it." --spaf (1992)
-----
```

Date: Fri, 21 May 1993 00:21:45 GMT
From: saimiri.primate.wisc.edu!sdd.hp.com!caen!destroyer!cs.ubc.ca!
newsserver.sfu.ca!sfu.ca!tpang@ames.arpa
To: info-hams@ucsd.edu

References <1t8dce\$3c2@overload.lbl.gov>, <127348@netnews.upenn.edu>,
<1993May20.022338.7654@rsg1.er.usgs.gov>.ca
Subject : NiMH cell (Was:Re: 3rd Party Vendors of HT batteries)

tbodoh@resdgs1.er.usgs.gov (Tom Bodoh) writes:

>As a followup question, are NiMH batteries available for HT's yet? I've
>heard that they're supposed to eventually replace Nicads due to longer
>life. Anyone know when or where these might become available or viable?

A post on sci.electronics said a comparison test was done and during fast
discharge rate (like HT usage), the capacity seems much less. And even
at slow rate, it doesn't live up to its specs. I am not sure if he has
charged it probably, but it seems he does (the author/tester).
Another point, it seems to have very poor shelf life, so it matches another
report of that long time ago.

With all these uncertainty, and high price, I'll wait a bit before I
jumped gun. One thing is I am not sure how to design a good and safe
charger for it, as one report said it is worse to overcharge NiMH than
NiCd.

```
>+++++
>+ Tom Bodoh - Sr. systems software engineer
>+
>+ USGS/EROS Data Center, Sioux Falls, SD, USA 57198      (605) 594-6830      +
>+ Internet; bodoh@dgg.cr.usgs.gov (152.61.192.66)
>+
>+ "Welcome back my friends to the show that never ends!" EL&P
```

+

>+++++

Regards,
David

| In real life: David Tse E-mail: tpang@sfu.ca (Internet) |
| Snail Mail: P.O. Box 26052, Richmond, B.C., V6Y 1Z3, Canada |
Home: Amiga A3000/25/100/6 + AMaxII + ZyXEL U-1496E + HP DeskJet PLUS

Date: 21 May 93 14:32:47 GMT
From: ogicse!emory!gatech!kd4nc!ke4zv!gary@network.UCSD.EDU
To: info-hams@ucsd.edu

References <C7AE8L.JtM@ucdavis.edu>, <2867@tekgen.bv.tek.com>,
<C7CAr4.2oK@news.rich.bnr.ca>
Reply-To : gary@ke4zv.UUCP (Gary Coffman)
Subject : Re: 2 Meters and Airlines

In article <C7CAr4.2oK@news.rich.bnr.ca> tnichols@bnr.ca (Todd Nichols) writes:

>In article <2867@tekgen.bv.tek.com>, brucece@tekgen.bv.tek.com (Bruce Cheney)

> writes:

>|> How about getting them through the security monitors? Do they

>|> get all excited when they see a small handheld in carry-on

>|> baggage?

>

>I sometimes have my HT in my backpack and let it be x-rayed. No problem. I
>sometimes have it on my belt, particularly if I talked on the way to the air-
>port or if my carry-on luggage is full, and I just hand it to the guard and
>switch it on. No problem. I have carried my HT on passenger aircraft about
>a dozen or 14 times (a round-trip flight counts twice), and have never had
>any problem, or even a reaction from the security personnel. HT's are a lot
>less trouble than a laptop :-)

Since security personel often wear a HT themselves, they usually have
a clue as to what it is and what it does. That makes them pretty easy
to get through security. I have had one security guard remind me not
to turn it on in the plane. They usually give me a much harder time
about my Leatherman tool, even though they never comment about my regular
toolbag filled with long screwdrivers, various pliers, exacto knives,
coax strippers, etc. (Don't leave home without it.)

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: 21 May 93 04:36:17 GMT
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net
To: info-hams@ucsd.edu

References <9305181722.AA26942@ucsd.edu>,
<930518.224343.5e4.rusnews.w165w@garlic.sbs.com>,
<1993May20.000048.11197@news.nd.edu>&
Subject : Re: Radio Shack 70cm HT?

rnimtz@kummer.helios.nd.edu (richard nimtz) writes:

>>The problem is, alot of Radio Shacks will sell to anyone. And that's
>>what caused the demise of 2m in certain areas of the country.
>>
>>Tony
>
> What makes Radio Shack different from any other retailer that sells ham radio
> gear? As far as I know, there is no requirement that a customer actually
> have a valid license in order to buy a transmitter. Perhaps as a good faith
> measure RS will ask to see a license before the purchase, of course, that
> would cut into their sales.
>
> Rick Nimtz
> N9TJG

Simple, Radio Shack is more prominent and available to people. I mean,
how far can you go without at least seeing a franchise? :)

Tony Pelliccio kd1nr/ae
!!*!*!*!*!*!*!*!*
system@garlic.sbs.com

"Usenet is like a herd of performing elephants
with diarrhea -- massive, difficult to
redirect, awe-inspiring, entertaining, and a
source of mind-boggling amounts of excrement
when you least expect it." --spaf (1992)

End of Info-Hams Digest V93 #618
